ADDENDUM TWO

DATE: April 22, 2013

TO: All Vendors

FROM: Mary Lanning/Michelle Musick, Buyers
               State Purchasing Bureau

RE: Questions and Answers for RFP Number 4313 Z1
               to be opened May 7, 2013

Following are the questions submitted and answers provided for the above mentioned Request For Proposal. The questions and answers are to be considered as part of the Request For Proposal.

QUESTIONS	ANSWERS
1. The RFP indicates financials are requested of privately held companies. We have no problems submitting as long as a Non Disclosure Agreement is signed. Is the State willing to sign an NDA? If not will our D&B report work in lieu of financials?	Representatives of the State of Nebraska will not sign a non-disclosure agreement. The RFP addresses the information that is required of non- publicly held corporations that do not want to submit the same type of financial reports that are required for publicly-held businesses: '….or a description of the organization, including size, longevity, client base, areas of specialization and expertise, and any other pertinent information must be submitted in such a manner that proposal evaluators may reasonably formulate a determination about the stability and financial strength of the organization. Additionally, a non-publicly held firm must provide a banking reference.' The RFP also gives the vendor the option to put proprietary information in a separate envelope, which will not be made public.

Materiel Division • Bo Botelho, Administrator
Administrative Services • 301 Centennial Mall South • P.O. Box 94847 • Lincoln, Nebraska 68509-4847 • Phone: 402-471-6500 • Fax: 402-471-2089

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QUESTIONS	ANSWERS
2. According to IV.C.1.c in the RFP document, RMF performance data is available upon request. How do we get the data?	RMF data was provided on a thumb drive to prospective bidders that attended the mandatory site visit.
3. I. SCOPE OF THE REQUEST FOR PROPOSAL; P7; O. SECRETARY OF STATE/TAX COMMISSIONER REGISTRATION REQUIREMENTS – Certificate of Good Standing or Letter of Good Standing Please clarify if the Certificate of Good Standing or Letter of Good Standing required at time of bidder's bid response or at time of receipt of an Intent to Award?	The Certificate of Good Standing or Letter of Good Standing is required at the time of the "Intent to Award" only from the winning bidder.
4. RMF Statistics: Will the State of NE please include the RMF statistics listed below? RMF/SMF collection information for performance analysis: • The records types are 70(1), 73, 74(1,5,8) and 78(3) from all LPARs connected to the storage subsystems. Please identify the SSIDs of the storage subsystems to be analyzed if only a subset of storage subsystems are to be analyzed. • Anywhere from 4-8 hours representing a peak period. It should include a representative sample of one or more peak intervals of activity, such as month-end closing. Identifying those intervals will assist with the validation process. • The preferred format is Terse data (we cannot process zOS PKZip files).	All of the record types indicated are on the thumb drives that were provided at the mandatory site visit. The SSIDs of the storage subsystems to be analyzed are 004C thru 0059 and 0084 thru 0091. Two 10-minute intervals were provided from two separate days, March 4 and March 15, reflecting peak I/O periods. The format provided on the thumb drives was Terse data. Current levels of RMF should be used to recognize all RMF record types.

	QUESTIONS	ANSWERS
5.	II. Procurement Procedures; P5; K. EVALUATION OF PROPOSALS What is the scoring system used to evaluate the vendor responses? How are the various requirement weighted?	Evaluation criteria will become public information at the time of the Request for Proposal opening. Evaluation criteria and a list of respondents will be posted to the State Purchasing Bureau website at http://www.das.state.ne.us/materiel/purchasing/rfp.htm Evaluation criteria will not be released prior to the proposal opening.
6.	IV. Project Description and Scope of Work; P24-25; Technical Requirements What is the purpose of copy B? Is copy B a consistent copy of A or is this necessary for the operation of Global Mirror?	As stated in Section IV.C.1.a, Group B is used for the remote copy process (Global Copy piece – initial copy to the remote storage unit); it is not a consistent copy of A. Global Mirroring requires both the B & C groups to maintain consistency groups.
7.	IV. Project Description and Scope of Work; P24-40; Technical Requirements Is single phase or three phase power preferred?	Three phase power is preferred.
8.	IV. Project Description and Scope of Work; P25-26; Technical Requirements Should we assume connection to the existing replication network, i.e. Ciena CN4200 WDM?	The Ciena CN4200 WDM will be used for the replication network. There will be additional paths available to connect the new storage units at both sites to the Ciena and between sites for replication.
9.	IV. Project Description and Scope of Work; P36; Technical Requirements FICON and Fibre Channel cables-Are they required to be plenum rated cables.	FICON and Fibre Channel cables should be plenum rated cables.

QUESTIONS	ANSWERS

10. We re-processed the FTP data and have extracted RMF reports.
 	
We are missing RMF TYPE 74(5) Cache subsystem records. These are key records that report all the RW ratios, cache hits, seq and random IO information. Key to performing any storage sizing operation.
 	
We tried to un-terse DCOLLECT and it failed. Can you get the JCL that created these dataset? Our suspicion is that they are text files not RMF/SMF record format.
	See response to question 4.
	
	The JCL used to create the dataset follows:
	
	``
	//DCOLLECT EXEC
	PGM=IDCAMS
	//SYSPRINT DD
	SYSOUT=*
	//OUTDS DD
	DSN=CDP0003.DCOLLECT.ALL.VOLU
	MES,
	//
	  DISP=(,CATLG,DELETE),
	// LRECL=1000,
	// RECFM=VB,
	//
	SPACE=(CYL,(1,1),RLSE),
	// UNIT=DASD1
	//SYSIN DD *
	 DCOLLECT OFILE(OUTDS) -
	
	      VOLUME(*) NODATAINFO
	/*
	``

11. We cannot properly size this opportunity without the below: (We are missing RMF TYPE 74(5) Cache subsystem records. These are key records that report all the RW ratios, cache hits, seq and random IO information. Key to performing any storage sizing operation.) Can we expect this data fairly soon?	See response to question 4.
12. What is your RPO requirement?	An RPO of less than 10 seconds is required.
13. Does the included bid require the WLM management of IO? Can it be provided as a line item price?	It is a preference that the proposed solution should prioritize I/O requests within the controller as determined by WLM priorities. This can be provided as a line item price.
14. Fred Lupher gave us a thumb disk yesterday and we think it has the latest RMF data. Is that true?	Yes, the thumb drive provided at the mandatory site visit contains RMF data.

QUESTIONS	ANSWERS
15. What are you using today to manage your Global Mirror; or better yet, what are you using today to create test copy at your DR site?	Global Mirror management is done through in-house scripts, TSO commands, and the DS8000 command line interface. To create the test copy at the remote site, we are using flashcopy of the 'D' volumes (weekly flashcopy target) as the source and the 'F' volumes as the target.
16. General: Mainframe Upgrades Does the State have any pending mainframe upgrades?	No, there are no pending mainframe upgrades, only new levels of microcode.
17. General: Replication What is the current bandwidth utilization for replication?	The bandwidth utilization for replication varies with the workload. Two 2Gbs Fibre Channel paths for replication are in use, as described in IV.B.1.e. The highest rate for a ten minute interval is 100 MB/sec.
18. General: RPO What is the RPO?	See response to question 12.
19. IV.E.2.g, pg. 35 What are the number of FICON and SRDF ports?	As stated in IV.C.1.n, the solution must include at least sixteen host adapter positions on each controller. The division between replication and FICON will depend on bidder requirements, with the requirement for replication coming first. Currently two paths are used for replication. If the bidder's solution does not use FICON/FCP host adapters for replication, the bidder should add their adapters to their proposed solution and reduce the number of FICON/FCP host adapters by two.
20. General: GDPS Is the State using GDPS?	No, the State is not using GDPS.
21. IV.E.2.g, pg. 35 Is the State utilizing a FICON director?	No, the State is not utilizing a FICON director.

QUESTIONS	ANSWERS
22. General: Tiering Is tiering required for the proposed solution, or just the ability to leverage tiering?	The State wants the ability to leverage tiering.
23. Background, pgs. 23-24 Is Global Mirroring a requirement, or are other replication technologies allowed?	As stated in IV.C.1.f, the State is seeking a solution that supports storage controller based asynchronous remote copy and must support consistency groups. Non-disruptive point-in-time copies of active storage are required.
24. IV.e.2.a, pg. 33 Is there a preferred migration tool, or can we use our recommended tool for migration? If there is a preferred tool, does the State own licensing already?	There is no preferred migration tool. The State does not own licensing on a migration tool. Any migration tool utilized must provide for non-disruptive migration of volumes and be capable of non-disruptively consolidating multiple volumes into a larger volume format as they are migrated, e.g., multiple mod-3's to a mod-27.
25. General: 3x Performance Is the 3x performance requirement necessary day one, or just the ability to scale?	The proposed solution must be capable of handling the 3X growth while maintaining current performance levels.
26. IV.C.1.a, pg. 25 Is FlashCopy a requirement or can we use other snap/clone providers?	A copy method that creates full volume copies of data, with the copies immediately available for read or write access, is required. The copies would be the source for the creation of point-in-time copies on tape and also the source for a copy to the volumes used by the CBU CPU.
27. IV.C.1.g, pg. 26 Should encryption be included right away?	Yes.
28. General: FlashCopy, pg. 8 Does the State currently use space efficient FlashCopy?	No.

29.	3.i Summary of Bidder's Proposed Personnel/Management Approach Does the State require proposed personnel to be U.S. citizens?	Section III., YY New Employee Work Eligibility Status. The Contractor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee. If the Contractor is an individual or sole proprietorship, the following applies: 1. The Contractor must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at www.das.state.ne.us. 2. If the Contractor indicates on such attestation form that he or she is a qualified alien, the Contractor agrees to provide the US Citizenship and Immigration Services documentation required to verify the Contractor's lawful presence in the United States using the Systematic Alien Verification for Entitlements

		(SAVE) Program.
		3. The Contractor understands and agrees that lawful presence in the United States is required and the Contractor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. §4-108.
30.	General: Floor Plan Can the State provide a floor plan for the production data center?	No. A current floor plan is not available. If specific distances between hardware are requested, the distances will be provided.
31.	General: Host Fiber Is the host fiber single or multi-mode?	The host fiber is single mode.
32.	General: RMF Data Will the State of Nebraska provide a "peak" 24 hours of Type70-79 RMF data in order to adequately size the storage solution that meets the throughput and processing requirements of the State's mainframe environment? Alternatively, will the State provide peak IOPS and MB/sec requirements for the provider's proposed solution?	See response to question 4.
33.	Will the State of Nebraska take into consideration any incentive for making the award on June 30, 2013 or earlier?	No.